

New SES202-S

Computerized Flat Knitting Machine with Tandem Capability



ADVANCED KNITTING TECHNOLOGY WITH HIGH COST-PERFORMANCE.

The NewSES202-S offers great cost-performance for entry-level computerized knit production. It is, above all else, a Shima Seiki NewSES machine, the same best-selling series that has sold over 40,000 units worldwide and is considered the de facto standard of the flat knitting industry. With this reputation comes Shima Seiki advanced knitting technology, such as lightweight, compact carriages featuring our famous Knitran[®] cam system, the patented stitch presser, and takedown device, not to mention Shima Seiki manufacturing quality and service support. Being a NewSES, the 202-S also features a new computer-control unit with a significant increase in pattern memory, standard USB memory interface and network interface for production monitoring and management, an eye-level

LCD monitor with graphic interface and improved ergonomics for intuitive operation. The NewSES202-S is also an extremely flexible machine which offers great versatility according to production needs. It is the only NewSES machine with twin single-Knitran[®] cam carriages which can be used together along the entire width of the needle bed for knitting wide panels in double-system mode, or separated into tandem mode for knitting two identical pieces simultaneously. And should the need eventually arise, the world-famous DSCS[®] Digital Stitch Control System is available as an option for even higher quality and consistency in production. Shima Seiki technology, quality and versatility can all be had with the NewSES202-S.



Knitting
Width



Knitran[®]
Systems



Ultra-
Lightweight
Carriage



Tandem
Operation



Belt-Drive
Operation



Tough
Needle Bed



Gauge
Range



Solenoid
Needle
Selection



Stitch
Presser

7-12G (14&16G option) option



Full Sinker
System



DSCS[®]
Digital
Knitting



Takedown-
Rollers



Dust
Cleaner



Schedule
Knit



Back-Lit
LCD Panel



NetWork
Interface



Pattern
Memory



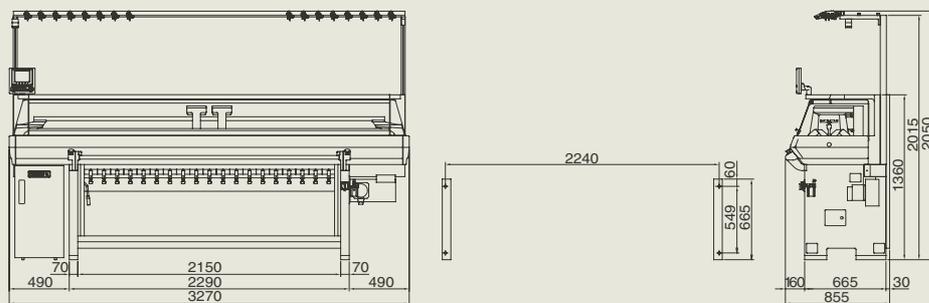
USB
Memory
Interface



Back-up
Power

SHIMA SEIKI

DIMENSIONS



Average Weight

NewSES202-S 1,234kg (2,735 lb.)

Actual weight is dependent upon gauge and optional equipment.

All dimensions are in millimeters.

SPECIFICATIONS

Type	NewSES202-S
Knitting width	Variable stroke. Max 80" (203cm)
Tandem width	37" (94cm) × 2
Gauge	7 · 8 · 10 · 12 · 14 · 16
Knitting speed	Max 1.3m/sec. (16G: 1.2m/sec.) Knitting speed varies according to gauge and knitting condition. Variably adjustable speed levels. 10 additional programmable speeds.
Stitch density	60 levels, electronically controlled.
Racking	Motor-driven racking mechanism. Max 2-inch racking. 1/2 and 1/4 pitch also available from any position.
Knitting system	Single KNITRAN [®] system. Twin carriage.
Transfer	Simultaneous transfer, front or back, independent of carriage direction. Split stitch.
Stitch presser	Special motor-driven system allows individual adjustment for on/off in knit and transfer. Programmable press amount.
Sinker system	7-12G : Spring-type moveable full-sinker system ¹ 14 & 16G : Fixed sinker ²
Needle selection	Full jacquard selection via special solenoid actuators.
Takedown device	Main roller : Changeable 31 levels, automatically adjustable on each level. Sub roller : Changeable 31 levels, automatically adjustable on each level. Automatic opening and closing.
DSCS [®]	Option. ³ Consistent loop length by digital control method. Left side. Left side yarn feed roller. ⁴ Yarn feed: 8 positions.
Side tension	8 on each side
Yarn carriers	12 carriers
Top tensions	16 tension devices. One-touch easy threading. Large knots cause machine stop. Small knots cause 0-9 courses at specified knot detection speed, then automatically resume at set speed.
Stop motion	Yarn break, large knot, wraparound check, shock detection, piece count, over-torque, program error, etc.
Drive system	Belt drive. AC servo motor. No lubrication necessary.
Cleaner	Special blower operated cleaner.
Safety devices ⁵	Full safety cover for noise-suppression and dust-proofing with stop motion sensor and interlock mechanism. Stop button. Power supply disconnecting device. Ultra-low speed "crawl" setting. Indicator lamps (see below).
Operation lamp	Green/normal operation. Flashing green/normal stop. Flashing amber/abnormal stop.

CONTROLLER

Data input	3.5" floppy disk. USB memory interface. 10/100 BASE-T network.
Pattern memory	12,582,912 bits (1,024 wales × 4,096 addresses)
Control system	Stored program for flat knitting machine.
Control display	Monochrome LCD panel. Editing possible via display panel operation. Available in English, French, Italian, Spanish, Portuguese, German, Turkish, Chinese, Korean and Japanese.
Back-up power	Power supply for resuming knitting after power failure.
Power	3 phase AC200V ± 10% 2.0KVA

OPTIONS : (1) Fixed sinker system (7-12G). (2) Spring-type moveable full-sinker system (14 & 16G). (3) DSCS[®]. (4) Right side yarn feed roller. (5) CE Mark.



SAFETY NOTICE

In order to ensure safe operation of the equipment, please review all operation manuals carefully before use.

Shimatronic, Knitran and DSCS are registered trademarks of Shima Seiki Mfg., Ltd.
Shima Seiki maintains a policy of continuous improvement for its products, and therefore specifications and appearances are subject to change without notice.
Please contact your nearest authorized sales representative for the latest information.



SHIMA SEIKI

SHIMA SEIKI MFG., LTD.
85 Sakata Wakayama Japan
TEL+81-73-474-8210 FAX+81-73-474-8270

SHIMA SEIKI EUROPE, LTD.
Sillis Road, Willow Farm Business Park,
Castle Donnington, Derbyshire DE74 2US U.K.
TEL 01332-814770 FAX 01332-850272

SHIMA SEIKI U.S.A., INC.
22 Abeel Road Monroe Twp., New Jersey 08831, U.S.A.
TEL 609-655-4788 FAX 609-655-8463

SHIMA SEIKI MFG., LTD., TAIPEI BRANCH
1F, 30, Lane 583, Ruey Kuang Rd., Neihu, Taipei 114, TAIWAN R.O.C.
TEL 886-2-8752-3388 FAX 886-2-8797-5522